HIGHLIGHTS OF PRINCRIBING INFORMATION
These highlights do not include all the information needed to use variconazole for oral suspenfectively. See full prescribing information for voriconazole for oral suspension.

Office Charles and Parcelling Information for reviewable for the companion.

VORECONNECTION of Superpoints

THE CONTENT AND ADDRESS AND AD

ry to, other therapy (1.4)

BOSAGE AND ADMINISTRATION

Infection	Loading Dose	Maintena	ace Dose
	IV	IV	Oral
Invasive Aspergillosis		4 mg/kg q12h	200 mg q12h
Candidemia in non-neutropenics and other deep tissue Candida infections	constitue of the fee sheet floor the fire	3-	
	and of divino in the Tail Tailor		200 mg q12h
Scedosperiosis and Fusariosis	i	4 mg/kg q12h	
EsophagealCandidiasis	Not Evaluated	not evaluated	200 mg q12h

- Aduk patients weighing less than 40 kg; oral maintenance dose 100 or 150 mg q12 hours
 See fall prescribing information for instructions on reconstitution of oral suspension and important administrations (2.6)
- DOSAGE FORMS AND STRENGTIES
 For Oral Suspension: 40 grans of provine; after reconstitution 40 mg/ml. (3)
- *ser true Supermont: en grants in poweer, ser recommense on mg mt. 1)
 *Physers emalsky jn sverienname or in a scipients (4)
 *Departmentsky jn sverienname or in a scipients (4)
 *Condentinations of the relation, neutronic (Augustee, Jonanualle en quintiles, s, twilmen due to risk of sertion adverse
 *Condentinations with relation, neutronic (Augustee, Jonanualle en quintiles, s, twilmen, due to risk of sertion adverse
 *Condentinations with relation, neutronic (Augustee)
 *Condentinations with relation (Augustee)
 *Condentinations with relat

- Considerations with finings, techniques, tone; using historians, choice, choi

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The state of the s clearance < 50 mL/min) (2.8)

See 17 for PATIENT COUNSELING INFORMATION and FDA-approved patient labeling.

Bevised: 12/2818

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 1.3 Englanged Candida in Robinson, Kalley, Bindler Wall, and Woods
 1.4 Strone Fangal Infections Canado by Scodesportum apingenerman (Ansural Former
 1.4 Strone Fangal Marketions Canado by Scodesportum apingenerman (Ansural Former
 Relations Vo., Older Honor Honories of or Relations Vo. 100 Per Scote Sco
- Pseudallescheria boydil) and Fusarium spp.
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- 16.2 Sorrage
 17 PATIENT COUNSELING INFORMATION

 * Sertions or subsections omitted from the full prescribing information are not listed.

1 INDICATIONS AND USAGE

Voriconazole is indicated for use in patients 12 years of age and older in the treatment of the following fungal infections:

fungal infections:

Li Insaire Aspergillosis

In clinical role, the majoring isolates recovered were Aspergillus funisjons. There was a small
inclinical role, the majoring isolates recovered were Aspergillus funisjons. There was a small
minimate of cases under provent disease due to species of Aspergillus other than A funispatus (see
Clinical Studies (14.1) and Clinical Pharmacology (12.4)).

1.2 Candidemia in Non-neutropenic Patients and the Following Candida Infections: Disseminated Infections in Skin and Infections in Abdomen, Kidney, Bladder Wall, and Wounds

1.3 Esophageal Candidiasis (See Clinical Studies (14.3) and Clinical Pharmacology (12.4).)

[See Clinical Stades (4.43) and Clinical Pharmacology (22.4)].

I Servines Fungal Infection Cascard by Seedenshma quite personne (Asexual Farm of Persodalsectoria Investigation (Asexual Farm of Persodalsectoria) (Asexual Farm of Persodalsectoria) (Asexual Farm of Investigation (Asexual Farm of Investiga

2 DOSAGE AND ADMINISTRATION

Instructions for Use in All Patients
riconzzole for oral suspension should be taken at least one hour before or after a meal.

Variconsorbe for oral suspension bound be ulean a least on to how before or after a small.

23 Recommended Design in Adubs

Insusive appropriate and serious fangal infections due to Fusatium type, and Seedesportum

See Table 1. Therapy must be initiated with the specified loading done regimen of introvenous

standards be continued for at least 7 days. Once the paper like clinically improved and cannot remain
medication gives by must, the seal stalled forms on our suspension form of vortices may be

also a linguistic proper stalls for a legal for the continued in

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stall paging [17, 20 on quick does achieves a support the science of the high bloomalability of the oral

formation is an indicated to the continued

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Candidensia in non-neutropenic patierts and other deep tissue Candida infections

See Table 1. Patients should be treated for at least 14 days following resolution of symptoms or following last positive culture, whichever is longer.

See Table 1. Patients should be treated for a minimum of 14 days and for at least 7 days following resolution of symptoms.

Table 1. Recommended Dosing Regimen				
	Loading dose			

Infection	Loading dose	Maintenance l	Dose".†
	IV	IV	Oral [‡]
Invasive Aspergillosis [§]	6 mg/kg q12h for the first 24 hours	4 mg/kg q12h	200 mg q12h
Candidemia in non-neutropenic patients and other deep tiss ue Candida infections	6 mg/kg q12h for the first 24 hours	3 to 4 mg/kg q12h ¹	200 mg q12h
Esophageal Candidias is			200 mg q12h
Scedos poriosis and Fusarios is	6 mg/kg q12h for the first 24 hours	4 mg/kg q12h	200 mg q12h
** Increase does when vortexenable accommissioned with phosphose to enforce (1). Decrease does a patients with hoppic important (2.7). **Including classics works, we 2010 or quiet (2016, "may worked or experience (2.4)." which was a large (1) or 2010, which was a large (1) or 2	ation of oral vorkonazole therapy was 76 days (range 2 t	o 232 days) [see Clinical Studie	n (14.1)].

2.4 Dos age Adjustment

If patient response is indeluguars, do oral ministruscue dose may be increased from 200 mg every 12

If patient response is indeluguars, do oral ministruscue dose may be increased from 200 mg every 12

patients weightight each and 18m, do oral ministruscue dose may be increased from 100 mg every 12

hours to 10 mg every 12 hours. It patient is unable to indirect 200 mg orally every 12 hours, the significant patient 200 mg orally every 12 hours, the first patient is unable to indirect 200 mg orally every 12 hours, the first patient is unable to indirect 200 mg overy 12 hours, the first first patient 200 mg every 12 hours (are 10 mg every 12 hours, the first first patient 200 mg every 12 hours, the first first first patient 200 mg every 12 hours, the first first first patient 200 mg every 12 hours, the first first first patient 200 mg every 12 hours, the first first

12 hours for adult patients weighing less than 40 kg). If patient is unable to inhereat angle IV of 12%, reduce the intravenous maintenance does to 3 mg/kg q12%. The maintenance does of voriconancels should be increased when coadministered with phenytoin or electrical food from formations (77).

extivience [see Drug Interactions (7)].

The milmenance does of vorticonazole should be reduced in patients with mild to moderate hepatic impairment, Child-Psugh Class A and B [see Dossage and Administration (2.7)]. There are no PR data to allow for dossage adjustment recommendations in patients with severe hepatic impairment (Child-Psugh Class C). Duration of therapy should be based on the severity of the patient's underlying disease, recovery from limmonsospersoins and cliffical response.

Duration of therapy should be based on the se erity of the patient's underlying disease, recovery fro

2.6 Oral Suspension

Reconstrumon

Tay the bottle or release the powder. Add 50 mL of water to the bottle. Shake the closed bottle vigorously for about 1 minute. Remove child-resistant cap and push bottle adaptor fine the neck of the bottle. Replace the cap. Write the date of expiration of the work of the constituted suspension on the bottle (the schilf-life of the reconstituted suspension is 14 days at committee communication of the order of the constituted suspension is 14 days at committee or the measurement 15-30°C [59-10].

Shake the closed bottle of reconstituted suspension for approximately 10 seconds before each use. The reconstituted oral suspension should only be administered using the oral dispenser supplied with each pack.

Incompatibilities

Vortexmand for our out suspension and the 40 mg/ml, reconstituted oral suspension should not be instead with any other medications and distinct and linearing agent. It is not intended that the suspension he further distinct with users or related vertex forms.

27 Use in Fudence with Hergodic Impairment with band houlding linear forms (14.12, 15.23 mg m); the chicaling originarisms over not funded band hould how lines for further sites, (15.12, 15.23 mg m); the futfaction has continued constituting of liver function was for further elevations is recommended for beforing and Provincian (15.93).

pser warrangs and Precausions (5.9)].

It is recommended that the standard loading dose regimens be used but that the maintenance dose be halved in patierts with mild to moderate hepatic cirrhosis (Child-Pugh Class A and B) [see Clinical Pharmacology (2.23)].

continued to the continued of the contin

(2.10)]. Voriconzole is hemodialyzed with clearance of 121 mL/min. The intravenous vehicle, SBECD, is hemodialyzed with clearance of 55 mL/min. A 4-hour hemodialysis session does not remove a sufficient amount of voriconzole to warrant dose adjustment.

3 DOSAGE FORMS AND STRENGTHS Powder for Oral Suspension

Voriconzzole for oral suspension is supplied in 100 mL high density polyethylene (HDPE) bottles. Each bottle cortains 49 go fpowder for oral suspension. Following reconstitution, the volume of the suspension is 70 mL, providing a usable volume of 70 mL (40 mg voriconzole/mL). A 5 mL oral dispenser and a press-in adaptor are also provided.

- dispense and preve-indepense and prevedant.

 Vest commands is contradictioned inspired with known hypersensitivity in verticonnuels or its exciption. These is no information requiring (cross-sensitivity between vest-connuels and other servicines. The residence of the contradiction and profit in the servicines. These is no information requiring (cross-sensitivity in cross-sensitivity in the contradiction of the contradiction of the prevention of the contradiction of t

5 WARNINGS AND PRECAUTIONS

5.1 Drug Interactions

See Table 6 for a listing of drugs that may significantly alter voriconazole concentrations. Also, see Table 7 for a listing of drugs that may interact with voriconazole resulting in altered pharmacolimetes or pharmacol 5.2 Henatic Toxicity

52. Hepate Teskly
In Chicked Fields, More have been uncommon cases of serious hepatic reactions during treatment
Included Fields, More have been uncommon cases of serious hepatic reactions of the
Enablest's, bitacene of hepate reactions were most to secure primarily in points with serious
underlying model. Continous precommandly homological multipases, Hapater reactions, including
dysfunction has smally been reversible on discontinuation of therapy fare Wormings and Precontions
(5.9) and Adverse Reaction (6.3).

(5.9) and Adverse Reccisions (6.3)).

Measure remunramentae levels and bilirabin at the initiation of voriconazole therapy and moistor at least weekly for the first much of variances. Monitoring frequency can be reduced to monthly during the control of the cont

Dislight on semination of the semination of the

arimals, voriconazole administration was associated with teratogenicity, embryotoxicity, increased stational length, dystocia and embryomortality. Please refer to section 8.1 (Pregnancy) for additional

If this drug is used during pregrancy, or if the patient becomes pregnant while taking this drug, the patient should be informed of the potential hazard to the fotus.

ndirecting to the ordinary of the control of the co

Rigorous attempts to correct potassium, magnesium and calcium should be made before starting and during voriconazole therapy fase Clinical Pharmacology (12.3)].

5.7 Infusion Related Reactions

3.7 Indiasine Related Reactions
Oring inflation of the intervenous formulation of voriconance in healthy subjects, anaphylactoid-reactions, including flationing, fewer, sensings, undependent clear tighteen, depose, a faminess, man interface and interface and interface and interface and interface. Considerations and bad be given to suppose the infrastron should these reactions occur.

5.2 Laboratory Texts

Electrolyse disturbances such as hypokalentia, hypomagnessenia and hypocalentia should be correptore to institution of and farting voriconancies feetings.

Patient management should include laboratory evaluation of renal (particularly serum creatinine) and hepatic function (particularly liver function tests and bilirubin).

begins fine Section of the Common of the Com

5.10 Patients With Renal Impairment

3.1P relations with renal imaginarised In patients with moderate to severe read dysfunction (creatinite clearance < 50 mL/min), accumulation of the intervenue which, SEECL, occurs. One work committee should be administered to these patients Securification of the security Security of the security CO23/ml Disagnation should be given to changing to oral vorticenazole therapy [see Clinical Pharmacology (223/ml Disagnation Security Office Se

5.11 Monitoring Renal Function

3-11 Monitoring Kenda Function
Actuar sensification to be non-borrow dis pasients undergoing resument with voriconazole, Patients being
treased with voriconazole are likely to be evased concentuarity with nephrotoxic medications and have
concurrent confiding with many reveals in descript confidence and function.
Patients should be monitored for the development of abnormal reveal function. This should include
laboratory evaluation, particularly serum controlline.

5.12 Monitoring Pancreatic Function

Patients with risk factors for a cure pancreatitis (e.g., recent chemotherapy, hematopoietic stem cell transplantation [HSCT]) should be monitored for the development of pancreatitis during voriconazole

3.3.1 Dermanshiged forest time.

Services actilistive consecuent reactions, such as Stevens-Johnson syndrome, how been reported during transmet with varicumsalle. It as patie of newlogs are architektor continuous reaction, voicemanble transmet with varicumsalle. It as patie of newlogs are architektor continuous reaction, voicemanble to the sound of the patients of the continuous reactions of the continuous reactions of the continuous reactions, the change of the continuous reactions of the continuous

instantini, vorticulazine simulu de unicomitario.

The frequency of photomoticity reactions is higher in the pediarric population. Because squ carcinoma has been reported in patients who experience photosentidivity reactions, stringen for photoprotection are warrande in children in children seprementing photogaling injuries lengiques or epholidis, sun avoidance and dermatologic follow-up are recommended even: treatment discontinuation.

5.14 Skeletal Adverse Events

Fluorosis and periositifs have been reported during long-term voriconazole therapy. If a patient develops skeletal pain and radiologic findings compatible with fluorosis or periositifs, voriconaz-should be discontinued (see Adverse Reactions (6.4)).

6 ADVERSE REACTIONS

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

my not reflect the times observed in practice.

LiOverske

The most frequently reprose adverse events (all cassallists) in the therapositic tails verw visual disturbances (18.7%), fewer (5.7%), assess (6.5%), rank (5.7%), vositing (4.4%), chills (5.7%), brakelar fivel), fiver function as the received (2.7%), tast by crafts (2.4%), shallocinations (2.4%). The residence of the re

elevated liner fraction sents, rath and visual disturbances fore Wornings and Procussions (2.3, 5.3) and Adenies Ractions (2.6, 5.4) and Adenies Ractions (2.6

Table 2. Treatment Emergent Adverse Events: Rate ≥ 2% on Voriconazole or Adverse Events of Concern in All Therapeutic Studies Population, Studies 307:602-6 Combined or Study 305. Possibly Related to Therapy or Causality Unknown*

	All Therapeutic Studies	(IV/oral therapy)			oral therapy)	
	Voriconazole N=1655	Voriconazole N=46	58 Ampho B* N=185	Ampho B Fluconazole N=131	Voriconazole N=20	0 Fluconazole N=19
	N (%)	N (%)	N (%)	N (%)	N (%)	N (%)
Special Senses**			+			+
Abnormal vision	310 (18.7)	63 (13.5)	1 (0.5)	0	31 (15.5)	8 (4.2)
Photophobia	37 (2.2)	8 (1.7)	0	0	5 (2.5)	2 (1.0)
Chromatopsia	20 (1.2)	2 (0.4)	0	0	2 (1.0)	0
Body as a Whole						
Fever	94 (5.7)	8 (1.7)	25 (13.5)	5 (3.8)	0	0
Chills	61 (3.7)	1 (0.2)	36 (19.5)	8 (6.1)	1 (0.5)	0
Headache	49 (3.0)	9 (1.9)	8 (4.3)	1 (0.8)	0	1 (0.5)
Cardiovascular System						
Tachycardia	39 (2.4)	6 (1.3)	5 (2.7)	0	0	0
Digestive System						
Nausea	89 (5.4)	18 (3.8)	29 (15.7)	2 (1.5)	2 (1.0)	3 (1.6)
Vomiting	72 (4.4)	15 (3.2)	18 (9.7)	1 (0.8)	2 (1.0)	1 (0.5)
Liver function tests abnormal	45 (2.7)	15 (3.2)	4 (2.2)	1 (0.8)	6 (3.0)	2 (1.0)
Cholestatic jaundice	17 (1.0)	8 (1.7)	0	1 (0.8)	3 (1.5)	0
Metabolic and Nutritional System						
Alkaline phosphatase increased	59 (3.6)	19 (4.1)	4 (2.2)	3 (2.3)	10 (5.0)	3 (1.6)
Hepatic enzymes increased	30 (1.8)	11 (2.4)	5 (2.7)	1 (0.8)	3 (1.5)	0
SGOT increased	31 (1.9)	9 (1.9)	0	1 (0.8)	8 (4.0)	2 (1.0)
SGPT increased	29 (1.8)	9 (1.9)	1 (0.5)	2 (1.5)	6 (3.0)	2 (1.0)
Hypokalemia	26 (1.6)	3 (0.6)	36 (19.5)	16 (12.2)	0	0
Bilirubinemia	15 (0.9)	5 (1.1)	3 (1.6)	2 (1.5)	1 (0.5)	0
Creatinine increased	4 (0.2)	0	59 (31.9)	10 (7.6)	1 (0.5)	0
Nervous System						
Hallucinations	39 (2.4)	13 (2.8)	1 (0.5)	0	0	0
Skin and Appendages						
Rash	88 (5.3)	20 (4.3)	7 (3.8)	1 (0.8)	3 (1.5)	1 (0.5)
Urogenital						1
Kidney function abnormal	10 (0.6)	6 (1.3)	40 (21.6)	9 (6.9)	1 (0.5)	1 (0.5)
Acute kidney failure *Study 307/602: irvasive aspergillosis; S	7 (0.4)	2(0.4)	11 (5.9)	7 (5.3)	0	0

Voriconazole treatment-related visual disturbances are common. In the rapeutic trials, approximately 21% of patients experienced abnormal vision, color vision change and/or photophobia. Visual disturbances may be associated with higher plasme concentrations and/or doses.

unsurrounces may be associated with ingiter plasma concentrations amon thoses.

There have been post-marketing reports of prolonged visual adverse events, including optic neuritis and papilledome (see Warnings and Precountors (5.3)).

jupus estima (new worming and recommode (n. 20).

The mechanism of action of the visual distundance is advoced, although the size of a cistan is more likely. The mechanism of action of the visual distundance is not one of the cistan in the

Dermanological reactions were common in the patients treated with voriconazole. The mechanism underlying these dermanologic adverse events remains unknown.

Serious cutaneous reactions, including Suvers-Johnson synfrome, toxic epidermal necrolysis and erytherm multiforms have been reported during treatment with voriconazole. If a patient develops an exfoliative cutaneous reaction, voriconazole should be disconfined.

exfoliative cutaneous reaction, over controls should be discontinued. In addison, noticensole has been according with photosensity sign reactions. Patients should avoid strong, direct satiglist during vociconanole therapy. In patients with photosensity sign reactions. Patients should avoid strong, direct satiglist during vociconanole therapy. In patients with photosensity with reactions, supparent develops a value being conditions the volume propered during [ong-written parkets] and patient develops a value being conditions with sequences cell carcinomo or nelaziona, voriconanole should be discontinued for Wirmings and Processions (21) and continued to should be discontinued for Wirmings and Processions (21).

should be discontinued fave Storming and Precentions (S. 13).

Hers Common Advances Excess

The following adverse evenus occurred for 2% of all surfaceassile-evenued gasterns in all therappendicular for the second control of the second contro

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mepulsy, estemulacia, endeponenta, extrema qui prime qui prime qui prime pius que se prime pius prime prime

excisions, wearding, note epidermal accolysts, sirticats.

Special Source absoration of accommodated supplants, color blinderss, copparedvise, comraal opacity, distants, see pasis, eye pais, eye bancethage, dy yees, lopaceasis, heardin, on a pais, eye pais, eye bancethage, dy yees, lopaceasis, heardin, on a pais of the color of

6.3 Clinical Laboratory Values

6.3. Chind a Laboratory Values
1.2. Chind a Laboratory Values
1.2. The overall incidence of clinically significant transantones abnormalities in all therepositie conflicts and 12.4% (2004/2005) of patients rounded with ventrionation his created incidence of liver functionant and 12.4% (2004/2005) of the conflict of

ambatable to writecoassale few bringing and Prevantions (2.3).

Accorned failure between between few several in dient undergoing resource with voriconausle. Patients being mead with voriconausle are likely to be roand constitutie; with nephrosotic recommende that patient are mentioned from the development of abuneral and metation. This based include likelearing vorhalisms, particularly serian creation.

Tables to 16 show the matter of patients with hydrolastical and clinically singuistic and creation for the solid include likelearing vorhalisms, particularly serian creation.

Tables to 16 show the matter of patients with hydrolastical and clinically significant changes in result evaluation of the control of the contr

Table 3. Protocol 305 - Patients with Esophageal Candidias is Clinically Signific

Test Abnormalities				
	Criteria*	Voriconazole	Fluconazole	
		n/N (%)	n/N(%)	
T. Bilirubin	> 1.5 x ULN	8/185 (4.3)	7/186 (3.8)	
AST	> 3.0 x ULN	38/187 (20.3)	15/186 (8.1)	
ALT	> 3.0 x ULN	20/187 (10.7)	12/186 (6.5)	
All phoc	> 2.0 × 111 N	19/197 (10.7)	14/196 (7.5)	

Alk phos > 3.0 x U.N. 19/187 (10.2) 14/11

"Without regard to baseline value

a – number of patients with a clinically significant abnormality while on study therapy

N = total number of patients with at least one observation of the given lab test while on study therapy

LN = user limit of normal

Table 4. Protocol 307/602 – Primary Treatment of Invasive Aspergillosis Clinically Significant Laboratory Test Abnormalities

	Criteria*	Voriconazole	Amphoteric in B**
		n/N (%)	nN (%)
T. Bilirubin	> 1.5 x ULN	35/180 (19.4)	46/173 (26.6)
AST	> 3.0 x ULN	21/180 (11.7)	18/174 (10.3)
ALT	> 3.0 x ULN	34/180 (18.9)	40/173 (23.1)
Alkphos	> 3.0 x ULN	29/181 (16.0)	38/173 (22.0)
Creatinine	> 1.3 x ULN	39/182 (21.4)	102/177 (57.6)
Potassium	< 0.9 x LLN	30/181 (16.6)	70/178 (39.3)
n - number of patients w		ality while on study therapy	n study therapy
Table 5. Protoc	ol 608 – Treatment of Cand Abnor	idemia Clinically Signific malities	ant Laboratory Test

Table 5. Protocol 608 – Treatment of Candidemia Clinically Significant Laboratory Test

	Criteria*	Voriconazole	Amphotericin B followed by Fluconazole		
		n/N (%)	n/N (%)		
T. Bilirubin	> 1.5 x ULN	50/261 (19.2)	31/115 (27.0)		
AST	> 3.0 x ULN	40/261 (15.3)	16/116 (13.8)		
ALT	> 3.0 x ULN	22/261 (8.4)	15/116 (12.9)		
Alkphos	> 3.0 x ULN	59/261 (22.6)	26/115 (22.6)		
Creatinine	> 1.3 x ULN	39/260 (15.0)	32/118 (27.1)		
Potassium	< 0.9 x LLN	43/258 (16.7)	35/118 (29.7)		

POLISATION | N. 2.250 (10.27) | 32.250 (10.27) | 32.110 (22.27) |
Withhist regard to havellow value a number of patients with a chically significant alterormality while on study threapy N. * total number of patients with a takent one observation of the given lab test while on study threapy U.N.* upper limit of normal U.N.* upper limit of normal U.N.* upper limit of normal U.N.* bower him of normal units of normal units of the patients of the given the gi

6.4 Postmarketing Experience
The following adverse reaction have been identified during post approval use of vorticements.

Proceedings of the control of th

	Table 6. Effect of Other Drugs on Vorkonazole Pharmacokinetics [see Clir	nical Pharmacology (12.3)]
Drug/Drug Class (Mechanism of Interaction by the Drug)	Voriconazole Plasma Exposure (Cmax and AU Cliafter 200 mg q12b)	Recommendations for Voriconazole Dosage Adjustment/Comments
Rifampin* and Rifabutin* (CYP450 Induction)	Significantly Reduced	Contraindicated
Efavirenz (400 mg q24h)** (CYP450 Induction)	Significantly Reduced	Contraindicated
Efaviren: (300 mg q24h)** (CYP450 Induction)	Slight Decrease in AUCI	When voriconazole is coadministered with efavirenz, voriconazole oral maintenance dose should be increased to 400 mg q12h and efavirenz should be decreased to 300 mg q24h
High-dose Ritonavir (400 mg q12h)** (CYP450 Induction)	Significantly Reduced	Contraindicated
(C.114-D Made Mony	Reduced	
Low-dose Ritonavir (100 mg q12h)** (CYP450 Induction)		Coadministration of voriconazole and low-dose ritonavir (100 mg q12h) should be avoided, unless an assessment of the benefitivisk to the patient justifies the use of voriconazole
Carbamazepine (CYP450 Induction)	Not Studied In Vivo or In Viro, but Likely to Result in Significant Reduction	Contraindicated
Long Acting Barbiturates (CYP450 Induction)	Not Studied In Vivo or In Vitro, but Likely to Result in Signific ant Reduction	Contraindicated
Phenytoin* (CYP450 Induction)	Significantly Reduced	Increase voriconazole maintenance dose from 4 mg/kg to 5 mg/kg IV q12h or from 200 mg to 400 mg orally q12h (100 mg to 200 mg orally q12h in patients weighing less than 40 kg)
St. John's Wort (CYP450 inducer; P-gp inducer)	Significantly Reduced	Contraindicated
Oral Contraceptives** comaining ethinyl estradiol and norethindrone (CYP2C19 Inhibition)	Increased	Monitoring for adverse events and toxicity related to voriconazole is recommended when coadministered with oral contraceptives
Fluconazole** (CYP2C9, CYP2C19 and CYP3A4 Inhibition)	Significantly Increased	Avoid concomitant administration of voriconazole and fluconazole. Monitoring for adverse events and toxicity related to voriconazole is started within 24 h after the last dose of fluconazole.
Other HIV Protease Inhibitors (CYP3A4 Inhibition)	In Vivo Studies Showed No Significant Effects of Indinavir on Voriconazole Exposure	No dosage adjustment in the voriconazole dosage needed when coadministered with indinavir
	In Vitro Studies Demonstrated Potential for Inhibition of Voricomzole Metabolism (Increased Plasma Exposure)	Frequent monitoring for adverse events and toxicity related to voriconazole when coadministered with other HIV protease inhibitors
Other NNRTIs*** (CYP3A4 Inhibition or CYP450 Induction)	In Vitro Studies Demonstrated Potential for Inhibition of Voriconazole Metabolism by Delavirdine and Other NNRTIs (Increased Plasma Exposure)	Frequent monitoring for adverse events and toxicity related to voriconazole
	A Voriconazole- Efavirenz Drug Interaction Study Demonstrated the Potential for the Metabolism of Voriconazole to be Induced by Efavirenz and Other NNRT is (Decreased Plasma Exposure	
		Careful assessment of voriconazole effectiveness

Reseals based on in who clinical studies generally following repeat oral doxing with 200 mg q12h voriconazole to healthy subjects.

*Reseals based on it who clinical study following repeat oral doxing with 400 mg q12h for 1 day, then 200 mg q12h for at least 2 days voriconazole to healthy subjects.

*Reseals based on it who clinical study following repeat oral doxing with 400 mg q12h for 1 day, then 200 mg q12h for at least 2 days voriconazole to healthy subjects.

**Reseals based on it who clinical study following repeat oral doxing with 200 mg q12h for at least 2 days voriconazole to healthy subjects.

Table 7. Effect of Voriconazole on Pharmacokinetics of Other Drugs [see Clinical Pharmacology (12.3)]

Drug/Drug Class	Drug Plasma Exposure	Recommendations for Drug Dosage
(Mechanism of Interaction by Voriconazole)	(Cmax and AUCI)	AdjustmentComments
Sirolimus* (CYP3A4 Inhibition)	Significantly Increased	Contraindicated
Rifabutin* (CYP3A4 Inhibition)	Significantly Increased	Contraindicated
Efavirenz (400 mg q24h)** (CYP3A4 Inhibition)	Significantly Increased	Controlodicated
Efavirenz (300 mg q24h)** (CYP3A4 Inhibition)	Slight Increase in AUCI	When voriconazole is coadministered with efavirenz, voriconazole oral maintenance dose should be increased to 400 mg q12h and efavirenz should be decreased to 300 mg q24h
High-dose Ritonavir (400 mg q12h)** (CYP3A4 Inhibition)	No Significant Effect of Voriconazole on Ritonavir Cmax or AUCI	Contraindicated because of significant reduction of voriconazole Cmax and AUCII
Low-dose Ritonavir (100 mg a12h)**	Slight Decrease in Ritonavir Cmax and AUCI	Coadministration of voriconazole and low-dose risonavir (100 mg q123) should be avoided (the to the reduction in voriconazole Cmax and AUCI) utiless an assessment of the benefitivisk to the patient justifies the use of voriconazole
Terfenadine, Astemizole, Cisapride, Pimozide, Quinidine (CYP3A4 Inhibition)	Not Studied In Vivo or In Vitro, but Drug Plasma Exposure Likely to be Increased	Contraindicated because of potential for QT prolonguison and rare occurrence of torsade do points
Ergot Alkaloids (CYP450 Inhibition)	Not Studied In Vivo or In Vitro, but Drug Plasma Exposure Likely to be Increased	Controladicated
Cyclosporine* (CYP3A4 Inhibition)	AUCIISignificantly Increased; No Significant Effect on Cmax	When initiating therapy with Voriceassels in patients already receiving cyclosporine, reduce the Cyclosporine does no one-ball of the starting does and follow with frequent motioning of cyclosporine blood levels. Increased cyclosporine levels have been associated with implemonation, which work continuously is discontinued, exclosporine contention must be frequently monitored and the oscile increased are excessary.
Methadone*** (CYP3A4 Inhibition)	Increased	Increased plasms concentrations of methadone have been associated with toxicity including QT prolongation. Frequent monitoring for adverse events and toxicity related to methadone is recommended during coadministration. Dose reduction of methadone may be needed
Fernanyl (CYP3A4 Inhibition)	Increased	Reduction in the dose of fentanyl and other long-acting opiates metabolized by CVF3A4 should be considered when coadministered with Voriconazole. Extended and frequent monitoring for opiate-associated adverse events may be necessary [see Drug Interactions (7)]
Alferranil (CYP3A4 Inhibition)	Significantly Increased	Reduction in the dose of alfertarial and other opiates: metabolized by CYP3A4 (e.g., suferstarial) should be considered when coadministered with Orito contact. A longer period for monitoring respiratory and other opiate-associated adverse events may be necessary [see Drug Interactions (7s)].
Oxycodone (CYP3A4 Inhibition)	Significantly Increased	Reduction in the dose of oxycodone and other long-acting opianes metabolized by CYP3A4 should be considered when coadministered with Voriconzole. Extended and frequent monitoring for opiane-associated adverse events may be necessary [see Drug Interactions (7)].
NSAIDs**** including, ibuprofen and diclofenac (CYP2C9 Inhibition)	Increased	Frequent monitoring for adverse events and texticity related to NSAIDs. Dose reduction of NSAIDs may be needed [see Drug Interactions (7)].
Tacrolimus* (CYP3A4 Inhibition)	Significantly Increased	When initiating therapy with Voriconaucle is apparent already receiving accordings, reduce the accordinate does non- third of the starting dose and follow with frequent monitoring of accordinate blood evels. Increased accordinates when new non-accordinate viberounces (in Sectioninate, carcininate, carci
Phenytoin* (CYP2C9 Inhibition)	Significantly Increased	Frequent monitoring of phenyonia plasma concentrations and frequent monitoring of adverse effects related to phenyonia.
Oral Contraceptives containing ethinyl estradiol and norethindrone (CYP3A4 Inhibition)**	Increased	Mositoring for adverse events related to oral contraceptives is recommended during coadministration.
Warfarin* (CYP2C9 Inhibition)	Prothrombin Time Significantly Increased	Monitor PT or other suitable anti-coagulation tests. Adjustment of warfarin dosage may be needed.
Omegrazole* (CYP2C19/3A4 Inhibition)	Significantly Increased	Whis initiating therapy with Voriconzate in patients already receiving compressele does or 40 mg or greater, reduce the compressele does by one- half. The mutualisation of other proton pumps inhibitions that are CVPEC1 is substrates may also instanced between two contents and may results in interest pelapsare concentrations of other proton
Other HIV Protease Inhibitors (CYP3A4 Inhibition)	In Vivo Studies Showed No Significant Effects on Indinavir Exposure	No dosage adjustment for indinavie when coadministered with Vortconzanle
	In Vitro Studies Demonstrated Potential for Voriconazole to Inhibit Metabolism (Increased Plasma Exposure)	Frequent monitoring for adverse events and noxicity related to other HIV protease inhibitors
Other NNRTIs***** (CYP3A4 Inhibition)	A Voriconazole- Efavirenz Drug Interaction Study Demonstrated the Potential for Voriconazole to Inhibit Metabolism of Other NNRTIs (Increased Plasma Exposure)	Frequent monitoring for adverse events and toxicity related to NNRTI
Benzodiazepines (CYP3A4 Inhibition)	In Vitro Studies Demonstrated Potential for Voriconazole to Inhibit Metabolism (Increased Plasma Exposure)	Frequent monitoring for adverse events and toxicity (i.e., prolonged scholar) relaxed to bermodizapines metabolized by CVP3A4 (e.g., midazolam, triazolam, alprazolam). Adiasment of bermodizarenies dosane mue be needed.
HMG-CoA Reductase Inhibitors (Statins) (CYP3A4 Inhibition)	In Vitro Studies Demonstrated Potential for Voriconazole to Inhibit Metabolism (Increased Plasma Exposure)	Propert monitoring for adverse events and toxicity related to statis. Recreased statis conventionable may be been associated with rhabdomyolysis. Adjustment of the statis dosage may be needed.
Dihydropyridine Calcium Channel Blockers (CYP3A4 Inhibition)	In Vitro Studies Demonstrated Potential for Voriconazole to Inhibit Metabolism (Increased Plasma Exposure)	Frequent motivaring for adverse seven toxicity ordered to aclient channel blockers. Adaptement of calcium channel blockers decade on calcium channel blockers. Adaptement of calcium channel blockers of the calcium channel blockers.
Sulfonylurea Oral Hypoglycemics (CYP2C9 Inhibition)	Not Studied In Vivo or In Vitro, but Drug Plasma Exposure Likely to be Increased	Frequer monitoring of Blood glucose and for sign and symposium of hypoglycenia. Adulturation of onal hypoglycenia discharge meeding.
Virca Alkaloids (CYP3A4 Inhibition)	Not Studied In Vivo or In Vitro, but Drug Plasma Exposure Likely to be Increased	Frequent monitoring for adverse events and noticing in executive control of the desired active advantage of the control of the desired of the control of the desired of the control of the desired of the control of the
Everolimus (CYP3A4 Inhibition)	Not Studied In Vivo or In Vitro, but Drug Plasma Exposure Likely to be Increased	Concentuars administration of voriconazole and everollims is not recommended.

CONTACT AND ADMINISTRATION OF THE PROPERTY OF

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The nristman behavior and dose in mice and rats was 300 mg/kg (equivalent to 4 and 7 times the recommended maintenance dose (RMID), based on body surface area). At this dose, clinical signs observed in both mice and rats included salivation, mydriasis, trabadion (loss of balance while moving), depressed behavior, prostration, partially closed eyes and dyspoxa. Other signs in mice were

11 DESCRIPTION

Voriconazole, an azole amfungal agent, is available as a powder for oral suspension. The structural formula is:



 $\label{eq:controller} Voriconzole is designated chemically as $(2R,3S)-2-(2,4-diffuorophemyl)-3-(5-fluoro-4-pyrimidinyl)-1-(IH-1,2,4 triazol-1-yl)-2-butanol with a molecular formula of $C_{16}H_{14}F_3N_5O$ and a molecular weight of $349.3.$

of 3943. Vorticonamole drug substance is a white to almost white powder, Poviding a white to off-white rounged-flower disappearing on the art of the powder providing a white to off-white rounged-flowered supposed to when roceanisted. Bodies constaining 49 growder for oral suspension are ranged-flowered supposed to the provided by the powder of the powder of the powder of the launcher ingredeems ten land colladad silicon disorder, featured microlicid, sendma pans, sodium circum displayates, sodium becames, anythous circuit card, pannul and artificial orange filtow, and sucross.

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Table 8. Geometric Mean (%CV) Plasma Voriconazole Pharmacokinetic Parameters in Adults Receiving Different Dosing Regimen

	6 mg/kg IV (loading dose)	3 mg/kg IV q12h	4 mg/kg IV q12h	400 mg Oral (loading dose)	200 mg Oral q12h	300 mg Oral q12h
N	35	23	40	17	48	16
AUC ₁₂ µg·h/mL)	13.9 (32)	13.7 (53)	33.9 (54)	9.31 (38)	12.4 (78)	34 (53)
Cmax (µg/mL)	3.13 (20)	3.03 (25)	4.77 (36)	2.30 (19)	2.31 (48)	4.74 (35)
C _{min} (µg/mL)		0.46 (97)	1.73 (74)		0.46 (120)	1.63 (79)
Note: Parameters w	ere estimated based on non-cor	npartmental analysis	from five pharmaco	kinetic studies.AUC12 = area und	er the curve over 12 h	our dosing interval,

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Vorkenanzele is metabolized by the human legales (synchrone PAID engymes C.YPZCII), CYPZCII, and

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CYPZCII, followed by CYPZCII, and is appreciably lower for CYPZAII, fabilishins or inducers of the

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and varice-number 4600 mg q 13h for 1 day, then 2600 mg q 13h for 8 days) by an average of 4500, and 4520, respectively, in bandley adopters. Leaves for moder (1000 mg q) for 60 mg in offered a modely state $C_{\rm con}$ and $\Delta VC_{\rm co}$ of only varice-number 4600 mg q 13h for 1 day, then 200 mg q 13h for 1 day and variety and $\Delta VC_{\rm co}$ of only variety and $\Delta VC_{\rm co}$ of only variety and $\Delta VC_{\rm co}$ of only bandley state $C_{\rm con}$ and $\Delta VC_{\rm co}$ of only bandley states $C_{\rm con}$ and $\Delta VC_{\rm co}$ of 10m days for innexer decreased slightly by 24% and 140 respectively, when admixtured occurs and $\Delta VC_{\rm co}$ of 10m days in content decreased slightly by 24% and 140 respectively, when admixtured occurs and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm con}$ and $\Delta VC_{\rm con}$ of 10m days with $\Delta VC_{\rm co$

Coadministration of vorkonazole and high-dose ritonavir (400 mg q12h) is contralidizated. Coadministration of vorkonazole and high-dose ritonavir (400 mg q12h) is contralidizated. Coadministration of vorkonazole and low-dose e ritonavir (100 mg q12h) should be avoided, unless an assessment of the benefitivisk to the patient justifies the use of vorkonazole [see Contralidacionis (4), and Warnings and Precoadors (5.1)].

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(5.1)). Minor or no significant phormacokinetic interactions that do not require design ediplacement, many many and the control of the contro

Amsidiar (nerwases gastric pH)-Ratiotine (150 mg (23b)) and no significant effect on Voriconsules $C_{\rm max}$ and $AC_{\rm c}$, following sud-doines of 200 mg (12h $^{-2}$ days to hardly subjects. No L^{-2} days) when L^{-2} days L^{-2}

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Condeniations on the following agents results in increased exposure or is expected to results increased exposure to these drugs. Therefore, careful monitoring and/or desage adjustment of these drugs is needed:

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cause an increase in prothermbin time. If patients receiving countarin articoagularis and therefore may cause an increase in prothermbin time. If patients receiving countarin preparations are recated simultaneously with voricoazoole, the prothermbin time or other suitable anti-coagulation sets should be monitored at close intervals and the dosage of anticoagulates adjusted accordingly [see Wornings and Precountors 5.5.1].

Promotion (3.7)]

South (CVPTA's a shortware)—Whough not stailed clisically, voriconamele has been shown in thick invasation machinism in vitro (human liver actions may 1. Therefore, voriconamele has been shown in thick invasation machinism in vitro (human liver actions and the stail and the plants (occurrations) of on stains the are unclosed by CVPTA's it in recommended the does he plants (occurration of on stains that are unclosed by CVPTA's it in recommended the plants of the plants o

Procusions (3.1):

Carlium Channel Blockers (CYP3A4 substrates)—Although not unded clinically, voriconazole has been shown to inhibit felodiques methodicism invito (human liver microsomes). Therefore, scholined by the control of th

Sulfonyhareas (CVPRC9 substrates)—Although not studied in vitro or in vivo, voriconazole may increase plasma concentrations of sulfonylureas (e.g., tolbatanide, glipizide, and glyburide) and therefore cases hopoglycenia. Frequent motinting of blood glucose and appropriate adjustment (i.e. reduction) of the sulfonylurea dosage is recommended during coadministration [see Warnings and Percuastion (5.1).

Personation (5.1).

When Adabath (VIVMA substants) - Although not studied in vitor or in vise, vorticements may be although the control of the vise and the control of the vise and the control of the vise and v

How, together, by consequent or instead to make than and A. of attribute by 11 his der Ph. A. of the Consequence of the Consequ

Monghamie and URD-Mechanic Transactions and Company of the Company

Voriconazole may be coadministered with efavirenz if the voriconazole maintenance dose is increased to 400 mg q12h and the efavirenz dose is decreased to 300 mg q24h. When treatment with Voriconazole

n-waypen, are tream conspice of seriouses should be recursed (see Dissage and Administration (2-2), and Deep Immention (2-7). The proposal mention (2-7) is a serious and serious CEPTED Backery). Eage and serious contributions of the contribution of the contribution

Persuations (7.1).

One-grande (CVZPCE) highbilator, CVZPCE) and CVZPA4 substrate)-Condensistration of comparated (60 mg once daily v.) 10 days) with oral vortexonated (400 mg oral methods) which are also reconstant (400 mg oral methods) when 200 mg oral very days of the condensistration of th

voriconancies is recommended. Condimination of $(20 \times 1 \text{ dys}, \text{then } 200 \text{ mg} \times 6 \text{ dys})$ with one prazole (40 mg once daily \times 7 days) is healthy adapters significantly increased the stoody rate C_{max} and AUC_{co} of concerning $(20 \times 10^{-3} \text{ dys})$ is healthy adapters significantly increased the stoody rate C_{max} and AUC_{co} of compared to $(20 \times 10^{-3} \text{ dys})$ and $(20 \times 10^$

never year-versing comparate does or 40 mg or grown; It is recommended that the emparated does be revised by those addition of other prices plant production of 21.3. The standard prices prices produced by the production of 21.3 mg and the best desirable of 21.3 mg and 2

**Indinovir (CVP3A4 inhibitor and substrate)-Repeat dose administration of indinavir (800 mg TID for 10 days) had no significant effect on vorticonazole C_{max} and AUC following repeat dose administration (200 mg q12h for 17 days) in healthy subjects.

Repeat dose administration of voriconazole (200 mg q12h for 7 days) did not have a significant effect on steady state C_{max} and AUC₁ of indinavir following repeat dose administration (800 mg TID for 7 days) in bathly subjects.

of the Study Market and the Conference of the Co

12.4 Microbiology

Mechanism of Action
Vorteconarole is an azole autifungal agent. The primary mode of action of vorteconazole is the inhibition
of fungal cytochroma P-450-mediated 14 alpha-laneasterol demethylation, an essential step in fungal
regionerol biosyndresis. The accumulation of 14 alpha-melly aerols correlates with the subsequent
loss of regionerol in the fungal cell wall and may be responsible for the autifungal activity of
vorteconazole.

For gravitation of the property of the propert

...
Voriconazole has been shown to be active against most strains of the following microorganisms, both in vitro and in clinical infections.

in vitro and in clinic Aspergillus fumigatu Aspergillus florus Aspergillus niger Aspergillus terreus Candida albicans Candida glabrata (la Candida krusel

Candida parapsilosis
Candida parapsilosis
Candida propicalis Fusarium spp. including Fusarium solani
Scedasporium apiospermum

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	Broth Mi	credilution at 48	hours	Disk I	oiffusion at 24 ho	ours
	(MIC in g/mL)		(Zone diameters in mm)		ım)	
	Susceptible (S)	Intermediate (I)	Resistant (R)	Susceptible (S)	Intermediate (I)	Resistant (F
Voriconazole	II.0	2.0	04.0	117	14-16	013

NOTE: Stown are the breakpoints (pgmt.) for vorticenamle against Cardida species.

A report of Sacceptible (S) indicase the the attiticeshald due; to likely in sibility growth of the
mercongasion if the attentional did not packed to concreation usually betwelved at the size of
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Standardized susceptibility test procedures require the use of quality control organisms to ensure the accuracy of the technical aspects of the ost-procedures. Standard voriconazole powder and 1 µg disks should provide the following range of values nosed in Table 10.

NOTE: Quality control microorganisms are specific strains of organisms with intrinsic biological properties relating to resistance mechanisms and their genetic expression within fungi; the specific strains used for microbiological control are not clinically significant.

Table 10. Acceptable Quality Control Ranges for Voriconazole to be used in Validation of Susceptibility Te

QC Strain	Broth Microdilution(MIC in g/mL) at 48 hour	Disk Diffusion(Zone diameter in mm)at 24 hour
Candida parapsilosis ATCC 22019	0.03 to 0.25	28 to 37
Candida krusei ATCC 6258	0.12 to 1.0	16 to 25
Candida albicans ATCC 90028		31 to 42

*Quality control ranges have not been established for this strain/antitungal initial quality control studies.
ATCC is a registered trademark of the American Type Culture Collection.

13 NONCLINICAL TOXICOLOGY

13 NONCLINICAL TOXICOLOGY

The Carcinogenist's Managemen's & Impadement of Fertility
Two-year carcinogenisty studies were conduced in run and nice. But were given not does of 6, 18 or 70 golg by currousness, or 20, 6 ns 1 fs into sire recommender desimilarmance done (BMD) is an ingal²² basis. Hepsace-think advisorum were described in females as 20 mglg and bepasse-chilar and proposed and pr

Vorticonano demonstrated classogeric activity (mostly chromosome breaks) in human lymphocyte cultures in wine. Vorticonanole was not genomicat, in the Ames assay, either dassay, the musus micromachem assay on the DNA requisit was (Unscheduled DNA sphesis assay). Vorticonanole administration influenced most implamment of mush or femule fertility in raz dosed at 50 mg/kg, or 1.6 films the RNM (recommended materianance dose).

14 CLINICAL STUDIES

13.2 Teratogenic Effects
Pregnancy Casegory D (See Warnings and Precautions (S.4) and Use in Specific Populations (8.1).)

Voriconzzole, administered orally or parenterally, has been evaluated as primary or salvage therapy in 520 patients aged 12 years and older with infections caused by Aspergillus spp., Fusarium spp. and Sordosporium spp.

As I Imaxive Apprendixis

Variconnole was studied in patients for primary therapy of invasive aspergillosis (analonized, cormolled study 200502, for primary and salvage therapy of aspergillosis (non-comparative study 2014) and for reasures of patients with invasive aspergillosis who were refractory to, or implerant of, other artifungle therapy (non-comparative study).

other antiming theory (non-comparative usiny 30%-504).
Sonly 37/602-1/metry of breastive supergrillaris.
The efficacy of vorticesamble compared to amphorate that the primary paramete of a sen invasive field of the control of the co

Sony temporareposed Organization for seed and at Francisco Care of Society DeScharles (

The Care of Society

day). Tream a ve dan continued which the large large and freezy (EA.4.T) actually increased and important in formalisms. Although their districts with consented and planelyment in fire-readings, Although their districts, with conventional amphientic life was the continued for a local troot weeks, exact advantased of theory was at the large large and the large large and the large large and the large large

Table 11. Overall Efficacy and Success by Species in the Primary Treatment of Acute Invasive Aspersillosis Study 307/602

	Voriconazole	Ampho B ^c	Stratified Difference (95% CI) ^d	
	n/N (%)	n/N (%)		
fficacy as Primary Therapy				
iatisfactory Global Response	76/144 (53)	42/133 (32)	21.8% (10.5%, 33.0%) p<0.0001	
Survival at Day 84 ^b	102/144 (71)	77/133 (58)	13.1% (2.1%, 24.2%)	
Success by Species				
	Success			
Overall success	76/144 (53)	42/133 (32)		
Mycologically confirmed*	37/84 (44)	16/67 (24)		
Aspergillus spp. ¹				
A. fumigatus	28.63 (44)	12/47 (26)		
A. flavus	3.6	4/9		
A. terreus	2/3	0/3		
A. niger	1/4	0/9		
A. nidulans	1/1	0.0		

Assessed by independent Data Review Committee (DRC)

**Proportion of subjects above

**Amphotorists in footneed by other Icemed attifungal therapy

**Delfevence and corresponding 50% confidence interval are st.

Post all mycologically confirmed specimens were speciated.

**Some patients had more than one species lookated at baseline

Study 304 – Primary and Salvage Therapy of Aspergillo In this non-comparative study, an overall success rate of In this con-comparative study, an overall success rate of 52% (65.60) was seen in patients weated voriconazole for primary therapy. Success was seen in 1729 (59%) with Aspergillus funigates infections and 36 (65%) patients with infections due to non-mingians species (A. flaws, (17), A. riddalist (02); A. riger (22); A. service (01)). Success in patients who received voriconazole as salvage therapy is persented in Table 1.

Study 309/80-4 — Treatment of Patients with Invasive Aspergillosis who were Refractory to, or Intolerant of, other Amfringal Therapy

Insolvent of other Austragas Therapy and Additional distring applies groups are assis a patients who were refractively to, or implement of, other austragas against are also provided in Table 14. bits inno comparative unity, overall mycological and applies and applies and applies of the applies and applies and applies and applies and applies and applies of the applies and a

Table 12. Combined Response Data in Salvage Patients with Single Aspergillus Species (Studies 304 and 309/604)

	Success n/N	
A. fumigatus	43/97 (44%)	
A. flavus	5/12	
A. nidulans	1/3	
A. niger	4/5	
A. terreus	38	
A versicolor	0/1	

Nineteen patients had more than one species of Aspergillus isolated. Success was seen in 4/17 (24%) of these patients.

Names appealmen had more than one species of Appropriles isolated. Success was seen in 477 (24%) of host particular solution prices and the proprint of the prices of the

Table 13. Overall Success Rates Sustained From EOT to the Fixed 12 Week Follow-Up Time Point by Baseline Pathogen**.

Bas eline Pathogen	Clinical and Mycological Success (%)		
	Voriconazole	Amphotericin B> Fluconazole	
C. albicans	46/107 (43%)	30/63 (48%)	
C. tropicalis	17/53 (32%)	1/16 (6%)	
C. parapsilosis	24.45 (53%)	10/19 (53%)	
C. glabrata	12/36 (33%)	7/21 (33%)	
C. krusei	1/4	0/1	

The secondary subject counted DRT counted DRT counted may be reconsistent as unimate as turning as the secondary subject to the counted DRT counted DRT counted DRT for the registent of the proposed may be reconsistent to the proposed and This for the registent of the proposed phenomena.

In the proposed proposed may be reconsistent to the proposed may be reconsistent to the proposed may be refracted to the proposed may be res

or I win more infections on 0 is visit environmental to all the control of the co

Table 14. Success Rates in Patients Treated for Esophageal Candidiasis					
Population	Voriconazole	Fluconazole	Difference % (95% CI) ^a		
ppb	113/115 (98.2%)	134/141 (95.0%)	3.2 (-1.1, 7.5)		
TTTC	175/200 (97.5%)	171/191 (89 5%)	20 (92 42)		

TTC 175200 (07.5%) 171/191 (09.5%) -2.0 (4.3.4.3)

*Tofishere thereof for the difference (Voictonazole – Flectmassle) is success rates.

*PO (Per Protecto) patients had confirmation of Candide explagate by reduce, preceived at least 12 days of treasment and had a repeat ensistency at EOT (end of treatment).

*Tiff (Institut Toring patients without endisoney or chiral consistence at EOT were treated as fadors.

ccess rates by Candida species are presented in Table 15.

Table 15: Clinical and mycological outcome by baseline pathogen in patients with esophagealcandidiasis (Study-150-305)

Pathogena	Vericonazole		Fluconazole			
	Favorable endoscopic responseb	Mycological eradications	Favorable endos copic responseb	Mycological eradicationb		
	Success/Total (%)	Eradication/Total (%)	Success/Total (%)	Eradication/Total (%)		
C. albicans	134/140 (96%)	90/107 (84%)	147/156 (94%)	91/115 (79%)		
C. qlabrata	8/8 (100%)	4/7 (57%)	4.4 (100%)	1/4 (25%)		

L. gatoristal 8.8 (100%) 4.7 (57%) 4.4 (100%) 4.7 (57%) 4.4 (100%) 4.7 (57%) 4.9 (100%) 4.7 (57%) 4.9 (100%) 4.7 (57%) 4.9 (100%) 4.7 (57%) 4.9 (100%) 4.7 (57%) 4.9 (100%) 4.7 (57%) 4.9 (100%) 4.7 (57%) 4.9 (100%) 4.9 (1

14.4 Other Serious Fungal Pathogens
In pooled analyses of patients, voriconazole was shown to be effective against the following additional

14.0 Other Servicus Fungal Philagons.

In product adayset of pulsars, varietismatile was shown to be effective against the following additional ready in product adayset of pulsars, varietismatile or varietismatile therapy was seen in 15 of 24 patterns.

(16%). There of these general readyes defined stocks, inclining I patient with pollowards, solice and year infections. In patient with cerebal disease and 1 patient with fasting feet to 15 patient patient with pollowards, solice and pollowards, so accordant requires were seen in 16 of 3 patients with thread organization extension.

Fasting may Nime 27 of 15(79) patients were successfully researed with twictorquarteristics.

Fasting may Nime 27 of 15(79) patients were successfully researed with twictorquarteristics.

Fasting may Nime 27 of 15(79) patients were successfully researed with twictorquarteristics and infection in the advantage of the control of the

ILBESTERNCES

1. Clinical Laboratory Scadends Institute (T.SI). Reference Method for Broth Dilution Auditingual Susceptibility Festing of Vasuas. Approved Studend MZ-TAL Clinical Laboratory Studends Institutes, 940 West Variably Bood, Siles Holly, Worpe, Pennyylvatia (1905-1198), U.S.A., 2008. USA Control of Control of Control of Vasias. Approved Credibility Med. A.Z. Clinical Laboratory Standards Institute, 940 West Valley Road, Sales Holly, Wesper, Bornay 1809-17189, U.S.A., 2009.

16 HOW SUPPLIED/STORAGE AND HANDLING

18 HOW SUPPLIEDSTORAGE AND HANDLING
18 How Supplied
Product for Cold Supposition
Vorticomate for Cold Supposition
Vorticomate for Cold Supposition is supplied in 100 nf. high-density polyothylore (HDFS) better.
Each better contains 49 gof proporter for rule supposition. Following reconstitution, the values of the
supposition 17 nf., pre-voltage saudies values and 75 nft., 40 ng vorticomatelents), A 5 nf. ozal
(NDC-40033-038-40)

(N.H. 4012-20-8-0)

12. Starage

Vortexnessie provider for ord suspension should be stored at 2" - I"C (10" to 40") (liss artirigerator)

The reconstituted suspension should be stored at 15" - 20" (10" - 10"); [See USF Controlled Room

Temperature ID on orterfrigerator or fevers. New phot constainer sightly closed. The shelf life of the

Temperature ID on orterfrigerator or fevers. New phot constainer sightly closed. The shelf life of the

Controlled Control

17 PATIENT COUNSELING INFORMATION

17 PATIENT COUNSES See FDA-Approved Patient Manufactured by: Novel Laboratories, Inc. Somerset, NJ 08873 P10380000102 Iss. 05/2016

FDA Approved Patient Labeling Voriconazole (vor" i kon' a zole) for Oral Suspension

Vorcenazore (vor' 1807 a 200) for Oral supersion

Read the Pasient information that comes with voriconazorle before you start taking it and each time you get a refill. There may be now information. This information does not take the place of talking with your healthcare provider about your condition or treatment.

What is voriconazole?

Voriconzole is a prescription medicine used to treat certain serious fungal infections in your blood and body. These infections are called "aspergillosis," "esophageal candidiasis," "Scedosporium," "Fusorium" and "candidemia".

- Who should not take verticensault?

 Do not take verticensault free:

 or allergic to verticensault er age of the laggediess in verticensault. See the end of this fuellet for ecomplete later ingendess is verticensault.

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- Anky you haddener provider or phrametics! Jour are not used by you are taking any of the medicine.

 Anky you haddener provider or phrametics!

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 What should toll my haddener provider before taking wirefuncated?

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healthcare provider if you are preparent or plan to become pregnant. Wromen who can the come preparent bedulers are described the control that is along work content.

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Takk to your healthcare provider about all the medicine years are including severation and topser-regions endoction, vitantia and brill supplements.

Your commonly may recreate about all the medicine years are including severation and topser-regions endoction, vitantia and brill supplements.

Konew but medicine you cale. Reap a list of forms show your healthcare provider and pharmocist where you got as a work of the control to the control of the control of

- fast heart beat (tachycardia)
 hallucinations (seeing or hearing things that are not there)
 abnormal liver function tests

absorburate invertisation less.
 Tell your beathers provider if you have any tide effect that bothers you or that does not go away.
 These are not all the possible side effects of voriconande. For more information, ask your healthcare provider or pharmacol.
 Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

ASSEMBNJ INSTRUCTIONS CHECK WITH YOUR PHARMACIST TO ENSURE VORICONAZOLE FOR ORAL SUSPENSION HAS BEEN RECONSTITUTED (i.e. is in liquid form).

while twisting cap counterclockwise. Remove cap from bottle



Push bonile adapter ALL THE WAY into bonile top (if pharmacist has not done so). Once bonile adapter is intertred, leave in place.



IMPORTANT: Adapter must be fully inserted prior to use













Remember to leave the borde adapter in the borde and part to transportative.

Rises the oral dispenser with water after each dose.

Manifactured by:

Novel Laboratories, Inc.

Somerst, N 108073

P82380000102

Rev. 05/2016





